

National Children's Study Federal Advisory Committee Member Biographies

Alan R. Fleischman, MD, is Chair of the Federal Advisory Committee and Ethics Advisor to the National Children's Study at the National Institute of Child Health and Human Development, National Institutes of Health (NIH), and Senior Advisor at the New York Academy of Medicine. He is also Clinical Professor of Pediatrics and Clinical Professor of Epidemiology and Population Health at the Albert Einstein College of Medicine in New York.

Born in New York City, Dr. Fleischman graduated Phi Beta Kappa from the City College of New York and Alpha Omega Alpha from the Albert Einstein College of Medicine. He continued his education in Pediatrics at the Johns Hopkins University Hospital in Baltimore, Maryland, and completed a Fellowship in Perinatal Physiology at NIH and through a Royal Society of Medicine Foundation Scholarship at Oxford University in England. He joined the faculty at the Albert Einstein College of Medicine and the Montefiore Medical Center in 1975, where he became Professor of Pediatrics and Professor of Epidemiology and Social Medicine and served as Director of the Division of Neonatology until 1994. In 1994, he became Senior Vice President of the New York Academy of Medicine, where he was responsible for initiatives in urban health, medical education, public policy, bioethics, and public health.

He was a member of the American Academy of Pediatrics Bioethics and AIDS Committees, a member of the National Human Research Protections Advisory Committee for the Office of Human Research Protections in the U.S. Department of Health and Human Services (DHHS), and an expert advisor to the Institute of Medicine's Committee on Clinical Research Involving Children. He is currently a member of the New York State Governor's Task Force on Life and the Law, a member of the DHHS Secretary's Advisory Committee on Human Research Protections' Subcommittee on Research Involving Children, and a member of the Institute of Medicine Committee on Ethical Issues in Housing-Related Health Hazard Research Involving Children, Youth, and Families.

Marion J. Balsam, MD, is the Research Partnerships Program Director for the National Children's Study. She also serves as the Designated Federal Official/Executive Secretary for the Federal Advisory Committee of the Study. She is a Rear Admiral, Medical Corps, United States Navy (retired), having served her country as a naval officer for 25 years.

Dr. Balsam received her Bachelor of Arts degree with honors in philosophy from Cornell University. She then attended the New York University School of Medicine. After internship at Bellevue Hospital, New York, she completed residency training in pediatrics and a fellowship in metabolic disease, both at the Children's Hospital of Philadelphia.

Following formal medical training, Dr. Balsam worked on Guam and in the Trust Territories of Micronesia as Chief of the Crippled Children's Services Program (Department of Public Health) and as the first Medical Director for the Head Start Programs of Guam and the Trust Territories. She then joined the United States Navy, where she served progressively as a pediatrician, pediatric department chair, pediatric residency program director, and then medical director, executive officer, and commanding officer of various teaching hospitals. She served in London as the Fleet Medical Officer for the Commander in Chief, Naval Forces Europe, and as the Lead Agent for TRICARE Europe. In 1998 she was promoted to the rank of Rear Admiral. Her final naval assignment was as Commander of Naval Medical Center, Portsmouth, Virginia, and as Lead Agent for TRICARE (the military managed healthcare system) for the mid-Atlantic region. She retired from the Navy as a Rear Admiral in 2000. After retiring from the Navy, she joined the team at the National Institute of Child Health and Human Development to improve the well-being of children now and in the future, through the ambitious research of the National Children's Study.

Dr. Balsam is a Diplomate of the American Board of Pediatrics. She is a Fellow of the American Academy of Pediatrics, where she has served on numerous committees, most recently on the Task Force on Terrorism. She has authored several scientific publications, most of which pertain to metabolic disorders in children.

Linda M. Burton, PhD, is Director of the Center for Human Development and Family Research in Diverse Contexts and Professor of Human Development and Family Studies and Sociology at the Pennsylvania State University.

Dr. Burton earned her Doctor of Philosophy in sociology in 1985 from the University of Southern California. She was a Spencer Foundation Fellow, Brookdale National Fellow, William T. Grant Faculty Scholar, and Fellow at the Center for Advanced Study in the Behavioral Sciences at Stanford University. She is the former Director of the National Institute of Mental Health-sponsored Research Consortium on Diversity, Family Processes, and Child Adolescent Mental Health and the Consortium's Multisite Postdoctoral Training Program.

Dr. Burton's research explores the relationship between community contexts, poverty, intergenerational family structure and processes, and developmental outcomes across the life course in ethnic/racial minority populations. She is currently one of six principal investigators involved in an extensive, longitudinal, multisite, multilevel study of the impact of welfare reform on families and children (*Welfare, Children, and Families: A Three-City Study*). She directs the ethnographic component of the *Three-City Study* and is also principal investigator of an ethnographic study of rural poverty and child development (*Family Life Project*).

John L. Butenhoff, PhD, CIH, DABT, is a Corporate Scientist in Toxicology within the Medical Department of 3M Company. He is currently responsible for the toxicological and health risk assessment programs associated with legacy perfluorinated alkyl acids that were produced by 3M prior to 2002. Dr. Butenhoff has been an employee of 3M

since 1976 and has held technical and management positions in industrial hygiene, toxicology, and corporate product responsibility.

Dr. Butenhoff received his AB in Biology from Franklin and Marshall College, Lancaster, PA, and his MS in Occupational Health and PhD in Toxicology from the University of Minnesota. Dr. Butenhoff is currently an adjunct professor in the graduate program in toxicology at the University of Minnesota. Dr. Butenhoff holds professional board certifications by the American Board of Toxicology and the American Academy of Industrial Hygiene.

Robert E. Chapin, PhD, is Head, Investigative Developmental Toxicology Lab for Pfizer Inc. He leads a group of investigative developmental toxicologists and works on mechanisms of female reproductive toxicity and fetal developmental toxicology. Dr. Chapin spent 18 years at the National Institute of Environmental Health Sciences, working on mechanisms of male reproductive toxicity. His interests include measures of fertility, mechanisms of toxicity, and measures of toxicity.

Dr. Chapin received his Bachelor of Arts degree with departmental honors in Biology from Earlham College. He then attended the University of North Carolina at Chapel Hill and completed a doctoral degree in Pharmacology. Dr. Chapin has also completed a postdoctoral fellowship with the Chemistry Industry Institute of Toxicology.

Dr. Chapin has been involved in a number of external professional societies such as the Society of Toxicology, American Association for the Advancement of Science (AAAS), and the American Society of Andrology. He has also previously played an active role in the National Children's Study as co-chair of a Working Group in the planning phase of the Study.

Frank A. Chervenak, MD, is Professor, Chairman, and the Director of Maternal Fetal Medicine of the Department of Obstetrics and Gynecology at the NewYork-Presbyterian Hospital, Weill Medical College of Cornell University. Currently he serves as President of the International Society of the Fetus as a Patient. Dr. Chervenak has been a participant on the Board of Governors of the American Institute in Ultrasound and Medicine, the Society of Perinatal Obstetricians, the Ian Donald Inter-University School of Medicine and Ultrasound, the World Society of Labor and Delivery, and the World Association of Perinatal Medicine.

Dr. Chervenak received a Bachelor of Science degree from Pennsylvania State University. He was then awarded a medical degree from Jefferson Medical College.

Dr. Chervenak has held a number of academic appointments at Yale University School of Medicine, Mount Sinai School of Medicine, and Medical College of Cornell University.

In addition, he holds membership with the following organizations: American Medical Association, Martin L. Stone Obstetrical and Gynecological Society of New York Medical College, Society of Perinatal Obstetricians, American Institute of Ultrasound in

Medicine, New York Perinatal Society, American College of Obstetricians and Gynecologists, Society for Gynecologic Investigation, New York Obstetrical Society, New York Academy of Medicine, International Fetal Medicine and Surgery Society, Association of Professors of Gynecology and Obstetrics, International Society of Ultrasound in Obstetrics and Gynecology, Society for Health and Human Values, International Society of the Fetus as the Patient, New York Academy of Sciences, and American Gynecologic and Obstetric Society.

Giselle Corbie-Smith, MD, MS, is Associate Professor of Social Medicine and Medicine at the University of North Carolina (UNC) at Chapel Hill, as well as the Director of the Program on Health Disparities at the UNC Cecil G. Sheps Center for Health Services and Research.

Dr. Corbie-Smith was awarded a Bachelor of Arts degree in Biology from Cornell University. She then went on to complete a medical degree at Albert Einstein College of Medicine and a residency in Internal Medicine at Yale University. In addition, she holds a Master of Science in Clinical Research from the Epidemiology Department at Emory University.

Dr. Corbie-Smith teaches in a wide variety of settings including the Department of Social Medicine and through research mentorship. Her teaching has focused in several areas: the health and health care of underserved populations, research methods, and research ethics especially as related to research involving minority subjects. She currently maintains a clinical practice at a local community health center. Her main focus areas include barriers to minority participation in research, access to care, and the influence of culture, race, ethnicity, and social class on health.

Janet Currie, PhD, is a Professor of Economics at Columbia University and has also taught at the Massachusetts Institute of Technology and the University of California, Los Angeles. Her work focuses on the evaluation of a broad array of public policies affecting disadvantaged children, including Medicaid, Head Start, and food and nutrition programs.

Professor Currie serves on the Executive Committee of the American Economics Association and on the editorial board of the *Quarterly Journal of Economics*, as well as being a past editor or associate editor of several other journals. She is a Research Associate of the National Bureau of Economic Research, a Research Fellow at the Institute for the Study of Labor, and an affiliate of the University of Michigan's National Poverty Center. She has served on National Academy of Science (NAS) and National Institutes of Health panels including the NAS Committee on Population.

George P. Daston, PhD, is a Research Fellow with Procter and Gamble's Miami Valley Labs. He is also an adjunct professor in the Department of Pediatrics and Developmental Biology Program at the University of Cincinnati and Children's Hospital Research Foundation. He lectures in courses on teratology, developmental biology, toxicology, and risk assessment. He was elected a Fellow of AAAS in 1999.

Dr. Daston received his Doctor of Philosophy degree in biology from the University of Miami and did post-doctoral work at the U.S. Environmental Protection Agency, Research Triangle Park. He then became an Assistant Professor of Biological Sciences at the University of Wisconsin, Milwaukee. In 1983, he moved on to work for Procter and Gamble, where he served progressively as staff scientist, group leader, principal research scientist, and research fellow.

Dr. Daston has spent his entire career researching the effects of exogenous chemicals on the developing embryo, fetus, and child. His research interests include teratogenic mechanisms, *in vitro* methodologies, and risk assessment. He has published more than 90 peer-reviewed articles, reviews, and book chapters, and has edited three books. His most recent research includes genomic approaches to endocrine disrupter screening and improvements in risk assessment methodology for non-cancer endpoints.

Dr. Daston's activities in professional societies include serving as Chair of the Developmental and Reproductive Toxicology Technical Committee of ILSI-Health Effects Sciences Institute (1996–2004); President of the Society of Toxicology's Reproductive and Developmental Toxicology Specialty Section (1994–1995); President of the Teratology Society (1999–2000); member of the National Academy of Sciences Board on Environmental Studies and Toxicology (1995–1998); Councilor of the Society of Toxicology (2001–2003); member of the U.S. Environmental Protection Agency Board of Scientific Counselors; and member of the National Toxicology Program Board of Scientific Counselors. Dr. Daston is Editor-in-Chief of *Birth Defects Research: Developmental and Reproductive Toxicology*, on the Editorial Board of *Human and Ecological Risk Assessment*, and an ad hoc reviewer for *Journal of Nutrition*, *FASEB Journal*, and other journals. He also served for six years as Associate Editor of *Toxicological Sciences*. Dr. Daston was a Visiting Scientist at the Salk Institute, Molecular Neurobiology Laboratory, 1993–1994.

Nancy Neverloff Dubler, LLB, is Director of the Division of Bioethics, Department of Epidemiology and Population Health, Montefiore Medical Center, and Professor of Bioethics at the Albert Einstein College of Medicine. She is also co-director of the Certificate Program in Bioethics and the Medical Humanities, conducted jointly by Montefiore Medical Center and the Albert Einstein College of Medicine with the Hartford Institute of Geriatric Nursing at New York University.

Nancy Dubler received her Bachelor of Arts from Barnard College. She also received a Bachelor of Law from Harvard University.

Ms. Dubler founded the Bioethics Consultation Service at Montefiore Medical Center as a support for analysis of difficult cases presenting ethical issues in the health care setting. She lectures extensively and is the author of numerous articles and books on termination of care, home care, long-term care, geriatrics, prison and jail health care, and AIDS. Ms. Dubler consults often with federal agencies, national working groups, and bioethics centers and served as co-chair of the Bioethics Working Group at the National Health Care Reform Task Force.

Helen DuPlessis, MD, MPH, is a pediatrician and senior advisor to the University of California, Los Angeles (UCLA) Center for Healthier Children Families and Communities (CHCFC), who divides her time between the UCLA CHCFC and Harbor/UCLA Medical Center. Dr. DuPlessis has extensive experience in policy development, program development and implementation, health care administration, and quality improvement processes. She is a sought after consultant for her extensive knowledge of health and health related programs and community pediatrics at the state and local level.

Prior to her current position, Dr. DuPlessis was the Chief Medical Officer of LA Care Health Plan, where she was responsible for the health care delivery to over 800,000 beneficiaries of government sponsored programs, where she established relationships with leaders in key community-based and other service organizations; designed and implemented effective quality improvement activities at the state and local levels involving thousands of providers and families; secured funding for innovative programs for at risk children; and developed and implemented strategic policies impacting health care delivery.

Her prior work in the Los Angeles Unified School District (LAUSD) and the Los Angeles County Department of Health included spearheading the development of an innovative school-based health insurance outreach and enrollment program that led to the development of local policy accelerating the enrollment of low income students; creating the tools and processes for mapping the health needs and resources in the LAUSD; directing the Community Pediatrics program for a large segment of the county; developing and implementing several countywide and local community health programs addressing specific health needs including perinatal substance abuse, immunizations, lead screening; and contributing to state level policy development on perinatal substance abuse and the Early and Periodic Screening, Diagnostic, and Treatment program.

Dr. DuPlessis is active in the American Academy of Pediatrics (AAP), where she chairs the National Council on Community Pediatrics, and in the local AAP chapter, where she chairs a task force on pediatric obesity.

Antoinette P. Eaton, MD, is Faculty Emeritus at Ohio State University's Pediatric Department. Dr. Eaton was also the first female president of the Academy of Pediatrics and a distinguished Title V state director. She has served as a pediatrician, professional association leader, academican in clinical pediatrics, hospital administrator, academic administrator, and a state maternal and child health director. She has been the Director of the Division of Family and Community Health Services for the Ohio Department of Health, Director of Ambulatory Pediatrics at Columbus Children's Hospital, President of the American Academy of Pediatrics, Medical Director of the Easter Seal Rehabilitation Center and interim Dean of the School of Public Health at Ohio State University.

Dr. Eaton received a Bachelor of Science Degree from Geneva College of Pennsylvania. She was then awarded her medical degree at the Medical College of Pennsylvania.

Dr. Eaton is recognized for designing and implementing a leadership institute for Title V directors for children with special health care needs. Through this institute, Dr. Eaton influenced and directed the shape of many state programs for special needs children and their families.

Elena Gates, MD, is Professor and Vice Chair of the Department of Obstetrics, Gynecology, and Reproductive Sciences at the University of California, San Francisco (UCSF). Dr. Gates is a general obstetrician-gynecologist who has maintained an active clinical practice while focusing her scholarly work on ethical issues in reproduction, genetics, and human experimentation and on the process of patient decision-making.

Dr. Gates served several years on the Ethics Committee of the American College of Obstetricians and Gynecologists, chairing the committee for 3 years. She was a member on the Board of Directors of the American Society of Law, Medicine, and Ethics from 1996–1997. In addition, Dr. Gates has participated in several workshops, review panels, and working groups related to the Ethical, Legal, and Social Implications program in the Human Genome Project. At UCSF, she is a member of the Fetal Surgery Oversight Committee and the Oocyte, Embryo, and Stem Cell Research Committee, and Research Subject Advocate in the General Clinical Research Center. Each of these activities involves ethical oversight of innovative areas of research at UCSF. Dr. Gates' publications have addressed the use of prenatal genetic testing, the introduction of new surgical technologies into women's health care, maternal-fetal surgery, donor consent for embryo and stem cell research, and ethical decision making in obstetrics and gynecology.

Myron Genel, MD, is Emeritus Professor of Pediatrics in the Child Health Research Center at Yale University School of Medicine. Previously, he served as Associate Dean and Director of the school's Office of Government and Community Affairs for 19 years and earlier as program director of Yale's Children's Clinical Research Center.

Dr. Genel was awarded a Bachelor of Science degree from Moravian College. He received his medical degree from University of Pennsylvania. He was awarded an honorary Doctor of Sciences degree by Moravian College.

Dr. Genel was a prime organizer of the three-year American Medical Association (AMA)/American Association of Medical Colleges (AAMC) National Clinical Research Summit process and a charter member of its successor, the Institute of Medicine's Clinical Research Roundtable. He is former chair of the AAMC's Council of Academic Societies and the AMA's Council on Scientific Affairs and past president of the Association of General Clinical Research Center (GCRC) Program Directors.

Fernando A. Guerra, MD, MPH, FAAP, is currently Director of Health for the San Antonio Metropolitan Health District and a practicing pediatrician. He also serves as a Clinical Professor of Pediatrics at the University of Texas Health Science Center, San Antonio, and an Adjunct Professor in Public Health at the Air Force School of Aerospace Medicine.

Dr. Guerra received his Bachelor of Arts degree from the University of Texas, Austin; his medical degree from the University of Texas, Galveston; and a Master of Public Health degree from the Harvard School of Public Health in Boston, Massachusetts. He is a founding scholar of the Public Health Leadership Institute. As a frequent contributor to the medical literature in the area of immunizations and other public health issues, Dr. Guerra has received numerous awards for his service and contributions to public health.

Dr. Guerra is a Fellow of the American Academy of Pediatrics and Diplomate of the American Board of Pediatrics. Currently, and for the second time in his career, he is serving as a member of the U.S. Department of Health and Human Services' National Vaccine Advisory Committee. He is also a member of the New York Academy of Medicine, as well as the Texas Academy of Medicine, Science, and Engineering.

James N. Jarvis, MD, is Professor of Pediatrics at Oklahoma University Health Sciences Center. He is also a practicing Consultant Rheumatologist at W.V. Hastings Indian Hospital and Pine Ridge Indian Hospital.

Dr. Jarvis received a Bachelor of Arts degree from St. John's College. He was also awarded a medical degree from the University of Vermont. He completed a residency in pediatrics at St. Louis Children's Hospital and a Fellowship in Rheumatology at Washington University School of Medicine.

Dr. Jarvis has served on the Five Civilized Nations/Oklahoma University Native American Research Center for Health (NARCG) Advisory Board and a Preliminary Working Group on the ethical, legal, and social implications of genetic research on medical conditions affecting Indian and Native People.

Loretta Jones, MA, is the founder and Executive Director of Healthy African American Families (HAAF) II. As a "Community Gatekeeper," Ms. Jones has dedicated her entire life towards the hope and healing of community and society-at-large. Her career as a civil rights activist, health policy advocate, and social architect has spanned more than 30 years. In an effort to level the playing field for all people, Ms. Jones continues her unyielding commitment as a change agent against disparities in human health, development, and opportunity.

She is a co-investigator of the National Institute of Mental Health, National Institutes of Health (NIH)/University of California, Los Angeles (UCLA)/RAND Center for Research on Quality in Managed Care; the National Institute on Aging, NIH/UCLA Center for Health Improvement in Minority Elderly (CHIME); and the NIH Drew/UCLA Project EXPORT, as well as a recipient of numerous Centers for Disease Control and Prevention (CDC) grants and contracts. Ms. Jones is a member of the UCLA Institutional Review Board for protection of human subjects. She was also recently honored by the CDC as its first recipient of an award for public leadership in overcoming health disparities.

Liliana J. Lengua, PhD, Associate Professor, University of Washington Department of Psychology, is a child clinical psychologist whose training and experiences have focused on a community perspective and prevention interventions for children at risk for developing social, behavioral, and emotional problems. Her research has examined children who experience major stressors, such as parental divorce or contextual risk, with emphases in developmental psychopathology and quantitative methods.

Dr. Lengua's research is based on a bioecological framework for understanding children's development of adjustment problems and adaptive functioning. Such a model accounts for individual, interpersonal, and contextual factors in development. She is particularly interested in individual differences in children's responses to risk and has examined the roles of children's reactivity and self-regulation as mediators and moderators of the effects of risk on children's adjustment, with the goal of identifying children who are vulnerable to developing problems, as well as children who are resilient in the face of risk. Her goal is to enhance understanding of the etiology of adjustment problems and resilience to inform preventive interventions.

In her research, she has examined the roles of children's reactivity and self-regulation as mediators and moderators of the effects of risk on children's adjustment. She has hypothesized that individual differences in reactivity and self-regulation can help to explain the variation we observe in children's ability to adapt to challenging situations. In particular, she has found that low income and contextual risk are associated with greater negative reactivity and lower self-regulation. Further, self-regulation moderates the relation of socioeconomic and contextual risk to adjustment problems, mitigating the impact of risk on children. Reactivity and self-regulation also predict children's ability to coping with stress and interact with parenting to mitigate or exacerbate the effects of negative parenting. These findings highlight the importance of understanding children's individual differences in reactivity and self-regulation and the factors that contribute to their development.

Bruce Levin, PhD, is Professor and Chair of the Department of Biostatistics at Columbia University's Mailman School of Public Health. Dr. Levin is the senior statistical consultant on several multicenter randomized clinical trials in the field of neurology and cardiology. He is also the Principal Investigator of the Statistics, Epidemiology, and Data Management Core of the HIV Center for Clinical and Behavioral Studies.

Dr. Levin was awarded his Bachelor of Arts in Mathematics from Columbia University. He then received a Master of Arts in Mathematics and a Doctor of Philosophy degree in Applied Mathematics/Statistics from Harvard University.

Dr. Levin's interests include statistical methodology for clinical trials, public health, and the law. He has created innovative trial designs, such as designs that minimize ethical costs, which have helped advance the field of biostatistics.

Jeffrey Long, PhD, is Professor of Human Genetics at the University of Michigan Medical School.

Dr. Long attained his Bachelor of Arts degree in Physical Anthropology at the University of California at Santa Barbara. He then went on to receive a Master of Arts degree in Anthropology from Arizona State University and a Master of Sciences degree in Human Genetics at the University of Michigan. He completed a doctoral degree in Human Genetics from the University of Michigan as well.

Dr. Long's research focus is on the analysis of human polymorphisms, including human population genetics, the inheritance of complex diseases, and statistical genetics. An additional interest is how levels of polymorphism and patterns of linkage disequilibrium are influenced by the interplay among diverse factors such as historical migrations, population size, gene flow, selective environment, mutation, and recombination. Another principal focus is on the genetics of complex traits related to health and well-being. The last major area revolves around the development of statistical methods and strategies for population genetics.

Edward R.B. McCabe, MD, PhD, is Professor and Executive Chair of the University of California, Los Angeles (UCLA) Department of Pediatrics and Physician-in-Chief of the Mattel Children's Hospital at UCLA. In addition, he directs the Pediatric Research Innovation and Mentoring Experience (PRIME) Program and the UCLA Child Health Research Career Development Award Program.

Dr. McCabe was elected to the Institute of Medicine in 2001 and became a fellow at the American Association for the Advancement of Science in 2003. He has served on the Committee on Genetics of the American Academy of Pediatrics and the Medical Genetics Residency Review Committee for the Accreditation Council for Graduate Medical Education. Dr. McCabe has also held the title of President of the American Board of Medical Genetics.

Barbara Anne Nabrit-Stephens, MD, MBA, FAAP, is Medical Director for Care Management, Blue Cross Blue Shield of Florida. She was formerly Vice President of Medical Affairs at Keystone Medical Health Plan. Dr. Nabrit-Stephens has been affiliated with the Vanderbilt Children's Hospital and the Physician's Task Force for Residency Training in Children's Environmental Health.

Dr. Nabrit-Stephens received her Bachelor of Arts degree from Harvard University. She was awarded her medical degree at Tufts School of Medicine. She has also completed a Master of Business degree at University of Tennessee School of Business.

Dr. Nabrit-Stephens has served on a number of advisory committees, such the March of Dimes Birth Defects Foundation Health Professional Advisory Committee, State Government Affairs Committee, Middle Tennessee Chapter; the Children's Plan Advisory Committee for the Davidson County Community Health Agency; and the State of Tennessee Advisory Committee of Children's Special Services.

Bernice A. Pescosolido, PhD, is Chancellor's Professor of Sociology at Indiana University and Director of the Indiana Consortium for Mental Health Services Research, a collaboration of university, private foundation, and federal and state government agencies.

Dr. Pescosolido received her Bachelor of Arts degree in Sociology and Spanish at the University of Rhode Island. She was also awarded Master of Arts, Master of Philosophy, and Doctor of Philosophy degrees in Sociology from Yale University.

Her major work has been targeted to understanding the interface of community and treatment systems. Her research agenda addresses how social networks connect individuals to their communities and to institutional structures, providing the "wires" through which society's energies (social interaction) and levels (contexts) influence people's attitudes and actions. In the early 1990s, she developed the Network-Episode Model, which was designed to focus on how individuals come to recognize, respond to the onset of health problems, and use health care services. Specifically, it has provided new insights to understanding the patterns and pathways to care, adherence to treatment and the outcomes of health care. As a result, she has served on advisory agenda-setting efforts at the National Institute of Mental Health, National Cancer Institute, National Heart, Lung, and Blood Institute, National Institute on Disability and Rehabilitation Research, and the Office of Behavior and Social Sciences Research and presented at congressional briefings.

Amelie G. Ramirez, DrPH, Professor of Medicine at Baylor College of Medicine, is Director of the Office of Outreach and Health Disparities Research in Cancer at the Baylor Cancer Center and Deputy Director of the Chronic Disease Prevention and Control Research Center in the Department of Medicine. As a behavioral science and health communications investigator, she directs and participates in several research projects involving Latinos and such issues as breast cancer genetics, cancer risk factors, impact of breast cancer on families, breast cancer survivorship, and smoking prevention and cessation. Over the past 25 years, she has directed numerous state-, federal-, and privately funded research programs focusing on human and organizational communication to reduce chronic disease and cancer health disparities affecting Latinos and other populations. She has authored over 60 peer-reviewed articles and is the recipient of state and national awards in the area of health disparities research and the advancement of Latinos in medicine, public health, and behavioral sciences professions across the United States. Dr. Ramirez is a recognized spokesperson for cancer disparities reduction and is a member of various national and regional advisory groups and coalitions. Her most recent appointments include membership on the National Cancer Advisory Board of the National Cancer Institute, the National Advisory Council of the National Heart, Lung, and Blood Institute, Chair of the National Hispanic/Latino Advisory Council of the Susan G. Komen Breast Cancer Foundation, Board of Directors for the Lance Armstrong Foundation, and the Media and Counter Marketing Panel of the American Legacy Foundation.

R. Gary Rozier, DDS, MPH, is Professor of Health Policy and Administration in the University of North Carolina at Chapel Hill School of Public Health and a Research Fellow in the Cecil G. Sheps Center for Health Services Research. He directs the program in dental public health in the Department of Health Policy and Administration and the Dental Public Health Residency Program in the Oral Health Section, NC Department of Environment, Health, and Natural Resources.

Dr. Rozier is a past president of the American Association of Public Health Dentistry and the American Board of Dental Public Health, and has served as President of the Behavioral Sciences and Health Services Research Group of the International Association for Dental Research. He has served as consultant to numerous organizations, including the National Center for Health Statistics (NCHS), the National Institute of Dental and Craniofacial Research (NIDCR), the Health Resources and Services Administration (HRSA), the Veterans Administration, the U.S. Army, the National Committee on Quality Assurance, the Centers for Disease Control and Prevention (CDC), the Association of State and Territorial Dental Directors (ASTDD), and several state and local health departments. In this capacity, he has provided consultation to the NIDCR and the NCHS on the design and conduct of several national surveys. He has served on advisory committees to the ASTDD and CDC in the development of a model oral health needs assessment method and the design and implementation of a National Oral Health Surveillance System, a component of the National Public Health Surveillance System.

A past editor of the *Journal of Public Health Dentistry*, Dr. Rozier's personal research interests have included studies in the areas of oral epidemiology, preventive dentistry, fluoride exposures and outcomes, dental professionals' practice behaviors, primary dental care, and program evaluation. He has planned and conducted oral health population-based surveys for the entire population of North Carolina and for school-aged children. Current research funding includes a CDC-funded evaluation of North Carolina's school-based preventive dentistry programs. He also is conducting studies on introducing oral health services into medical practice, including the most effective continuing medical education strategies and their outcomes on dental treatment, costs, and caries levels in young children, work funded by the Centers for Medicare and Medicaid Services, HRSA, CDC, and NIDCR. Recent work is investigating ways to link Early Head Start programs and medical practices providing these services. He has been a member of the Oral Biology and Medicine Study Section at the NIDCR and has served on many ad hoc review panels for that Institute as well as other agencies.

In recognition of his research contributions, Dr. Rozier is a recipient of a number of awards, including the Bernard G. Greenberg Alumni Endowment Award from the UNC School of Public Health, a Distinguished Scientist Award from the International Association for Dental Research, and a W.R. Kenan Award from the University of North Carolina at Chapel Hill.

Cynda Hylton Rushton, DNSc, RN, FAAN, is Associate Professor of Nursing and Faculty of the Phoebe Berman Bioethics Institute at Johns Hopkins University, Clinical Nurse Specialist in Ethics, and Program Director of the Harriet Lane Compassionate Care Program at the Johns Hopkins University Children's Center. She has a joint appointment in the Johns Hopkins University School of Medicine in the Department of Pediatrics.

Dr. Rushton was awarded a Bachelor of Science in Nursing at the University of Kentucky. She completed a Master of Science in Nursing at Medical University of South Carolina, and a Doctor of Nursing Science degree with a concentration in Bioethics at Catholic University of America.

Dr. Rushton has served as a Nurse Ethicist at the Children's National Medical Center. She is the President of the Association for the Care of Children's Health and has been involved with the Board of Directors for the American Society of Law, Medicine, and Ethics; the American Association of Critical-Care Nurses; the Society for Health and Human Values/Society for Bioethics Consultation Task Force on Standards for Bioethics Consultation; and the Last Acts National Advisory Council. Dr. Rushton's clinical and research interests include ethical issues in clinical practice, particularly end of life decision making and pediatrics, ethics education and consultation, and the unique ethical issues that arise in nursing practice.

P. Barry Ryan, PhD, is Principal Investigator on a U.S. Environmental Protection Agency (EPA)-funded STAR Grant designed to assess the effectiveness of biological markers of exposure to organophosphate and pyrethroid pesticides.

Dr. Ryan has been active in the exposure assessment field for more than 20 years. He has published more than 75 peer-reviewed manuscripts and made more than 150 presentations of his work to the scientific community. His work has included both cross-sectional and longitudinal studies of community-based exposure for multiple pollutants in multiple media. He was Principal Investigator on the EPA-funded longitudinal study of exposures to pollutants, known as the National Human Exposure Assessment (NHEXAS)-Maryland study; is currently Co-Principal Investigator of a study on health compromised individuals assessing the impact of particulate matter exposure on heart rate variability; and is Co-Principal Investigator on a study of the impact of air pollution exposure on hiker lung-health in the Great Smoky Mountain National Park. In addition to these current investigations, Dr. Ryan has been Principal Investigator on studies of lead exposure experienced by adolescents in the greater Boston area.

Recently, Dr. Ryan was an ad hoc member of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Scientific Advisory Panel on CCA-Treated Wood Products and the FIFRA Scientific Advisory Panel on Carbamate Pesticides. He is a trained chemist and has a large laboratory facility.

David J. Schonfeld, MD, is the Director of the Division of Developmental Disabilities at Cincinnati Children's Hospital Medical Center. Previously, Dr. Schonfeld was Associate Professor of Pediatrics and Child Study Center at Yale University School of Medicine. Some of his recent roles include: Consultant (School Crisis Response), New York City Schools; Director, Yale-New Haven Hospital Lead Program; Director, School Crisis Response Initiative; National Center for Children Exposed to Violence; School Medical Advisor; Member, Subboard Developmental-Behavioral Pediatrics; Member of the American Board of Pediatrics; and Director, Fellowship in Developmental-Behavioral Pediatrics at Yale University School of Medicine.

Dr. Schonfeld received a Bachelor of Arts degree and medical degree from Boston University. He completed a residency in Pediatrics at Children's Hospital of Philadelphia and a Fellowship in Behavioral/Developmental Pediatrics at the University of Maryland.

Peggy M. Shepard is Executive Director and co-founder of West Harlem Environmental Action, Inc. (WE ACT). WE ACT is a nationally recognized, non-profit organization working to improve environmental policy, public health, and quality of life in communities of color.

Ms. Shepard received her bachelor's degree from Howard University.

Ms. Shepard was the first female chair to serve on the National Environmental Justice Advisory Council (NEJAC) to the EPA. She has also co-chaired the Northeast Environmental Justice Network and served on the National Advisory Environmental Health Sciences Council of the NIH and the Environmental Justice Advisory Committee to the NYS Department of Environmental Conservation. Ms. Shepard is also a member of the Institute of Medicine's committee: Ethics of Housing-Related Health Hazard Research Involving Children, Youth, and Families.

Alan M. Zaslavsky, PhD, is Professor of Statistics in the Department of Health Care Policy at Harvard University Medical School.

Dr. Zaslavsky received his bachelor's degree at Harvard College, his Masters of Science degree at Northeastern University, and his doctoral degree at the Massachusetts Institute of Technology. He is a Fellow of the American Statistical Association.

Dr. Zaslavsky's statistical research interests include surveys, Census methodology, small area estimation, official statistics, missing data, hierarchical modeling, and Bayesian methodology. His research topics in health care policy center on measurement of the quality of care provided by health plans through consumer assessments and clinical and administrative data. He has served on three past panels and one current panel on Census methodology for the Committee on National Statistics of the National Academy of Sciences (NAS), on the NAS Panel on Estimates of Poverty for Small Geographical Areas, and on the NAS Panel on DHHS Collection of Race and

Ethnicity Data. He also served on the Committee on the National Quality Report on Health Care Delivery of the Institute of Medicine.

Ex Officio Members

Allen Dearry, PhD, is Associate Director for Research Coordination, Planning, and Translation, National Institute of Environmental Health Sciences (NIEHS), National Institutes of Health (NIH). In this capacity, he facilitates effective collaboration and interaction between various programs supported by extra- and intramural mechanisms to achieve efficient translation of research findings into public health and the practice of medicine. Dr. Dearry oversees the NIEHS Office of Policy, Planning and Evaluation; Office of Communications and Public Liaison; Office of Technology Transfer; Library and Information Services; publication of *Environmental Health Perspectives*; and a number of Institute outreach and educational activities, including town meetings that are held across the country to gather public input.

Previously, Dr. Dearry initiated numerous NIEHS programs in translational environmental health research, including health disparities, environmental justice, children's environmental health, community-based participatory research, and K-12 environmental health science education. All of these programs are recognized nationally and internationally, both for their contribution to the knowledge base in biomedical science relating to environmental health as well as for their novel approach to community-university partnership and resultant impact on public health. Dr. Dearry has been honored to receive a number of NIEHS and NIH awards, as well as two DHHS Secretary's Awards for Distinguished Service for providing outstanding leadership on issues related to possible health effects of exposure to Pfiesteria toxins (1998) and for generating a public health and research response to the World Trade Center disaster (2002).

Before coming to NIH, Dr. Dearry received a PhD in Anatomy from the University of Pennsylvania, was a postdoctoral fellow at the University of California, Berkeley, and then an Assistant Professor of Cell Biology and Ophthalmology at Duke University Medical Center. Dr. Dearry played a key role in cloning the gene for the human D1 dopaminergic receptor; he has two U.S. patents for this and subsequent investigations.

William H. Farland, PhD, is currently the Acting Science Advisor in the U.S. Environmental Protection Agency (EPA) as well as Acting Deputy Assistant Administrator for Science in EPA's Office of Research and Development (ORD). Previously, he was the Director of the ORD's National Center for Environmental Assessment (NCEA), which has major responsibility for the conduct of chemical-specific risk assessments in support of EPA regulatory programs, the development of Agency-wide guidance on risk assessment, and the conduct of research to improve risk assessment. Dr. Farland's 25-year federal career has been characterized by a commitment to the development of national and international approaches to the testing and assessment of the fate and effects of environmental agents. Dr. Farland has led the

EPA's extensive reassessment of the exposure and health effects of dioxin and related compounds.

Dr. Farland holds a PhD (1976) from UCLA in Cell Biology and Biochemistry. He serves on a number of executive-level committees and advisory boards within the federal government. He is also a member of the Scientific Advisory Council of the Risk Sciences and Public Policy Institute, Johns Hopkins University School of Hygiene and Public Health, a public member of the American Chemistry Council's Strategic Science Team for its Long Term Research Program, and a member of several other industry- and university-based science advisory panels. In 2002, Dr. Farland was recognized by the Society for Risk Analysis with the "Outstanding Risk Practitioner Award." He continues to teach and publish and has been a member of the Editorial Board for *Risk Analysis* since 1987 and for *Environmental Health Perspectives* since 1997.

Robert F. Spengler, ScD, was appointed Director, Office of Public Health Research, for the Centers for Disease Control and Prevention (CDC) in 2004. In this position, Dr. Spengler is leading efforts to develop the first CDC-wide research agenda, develop cross-cutting research initiatives, and establish best practices for extramural research programs across CDC.

Dr. Spengler received his Doctor of Science degree in epidemiology from the Johns Hopkins School of Hygiene and Public Health. While earning his degree, he was the Assistant Hospital Epidemiologist at the Johns Hopkins Hospital. He spent his early career in teaching and research in infectious and chronic disease epidemiology at McGill University, University of Toronto, and Concordia University in Canada. He also worked at the Ontario Cancer Treatment and Research Foundation and was assistant director of the provincial cancer registry.

In 1983, Dr. Spengler became an Epidemic Intelligence Service Officer at CDC and was assigned to the Illinois Department of Health where he conducted numerous field investigations of infectious, environmental, and chronic diseases. Dr. Spengler was appointed head of the Division of Epidemiologic Studies and developed statewide registries in cancer, adverse reproductive outcomes, and hazardous substances. In 1987, he became the Assistant State Epidemiologist at the Vermont Department of Health where he developed and managed environmental, chronic disease, injury, and health promotion programs.

In 1991, Dr. Spengler joined the Agency for Toxic Substances and Disease Registry (ATSDR) as the Assistant Director for Science, Division of Health Studies, and was promoted to the ATSDR Associate Administrator for Science in 1998. He led the 2-year development of ATSDR's Agenda for Public Health Environmental Research, 2002–2010. His science office was recognized in 2003 with a distinguished award for program support and administrative services. Dr. Spengler served as the Senior Advisor for Peer Review and Extramural Research and then Acting Associate Director for Science, National Center for Environmental Health (NCEH)/ATSDR. He co-chaired the CDC Public Health Research Implementation Team, which proposed plans to develop a CDC-wide research agenda as part of the Futures Initiative.